

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

MONDAY 23 JUNE

ACADEMIC TRAINING
(Tel. 2844)

at 11.00 hrs - Auditorium

"Physics with Electron-Positron Colliding Beams"

by B. Wiik / DESY, Hamburg
(Lecture 4)

JEUDI 26 JUIN

ENSEIGNEMENT GENERAL
(Tél. 2844)

13h00/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

(Prochain exposé : jeudi 2 octobre)

THURSDAY 26 AND FRIDAY 27 JUNE

ACADEMIC TRAINING
(Tel. 2844)

at 11.00 hrs - Auditorium

"Dimuon Production in Hadron Hadron Collisions at SPS"

by A. Micheleni / CERN
(Lectures 1 and 2)

Abstract : The NA3 experiment has recently completed an extensive study of dimuon production at different hadron beam energies. Results will be presented on : a) production of resonances; b) study of the Drell-Yan continuum; c) determination of the structure functions of various hadrons.

SEMINARS **SEMINAIRES**

MONDAY 23 JUNE

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"PROFI, a Computer Program for 3-Dimensional Non-Linear Magnetostatic Field Calculations"

by W. Müller / Darmstadt

EP SEMINAR

at 17.00 hrs - Auditorium

"A Demonstration of Holographic Imaging of Bubble Chamber Tracks"

by M. Dykes / CERN

Abstract : A recent test using the small heavy liquid bubble chamber BIBC in an SPS test beam produced good quality holographic images of the tracks of charged particles. The resolved bubble size was better than 8 μ . A demonstration videotape will be presented.

TUESDAY 24 JUNE

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium (*)

"Ultra Heavy Cosmic Rays"

by P. Fowler / Bristol Univ.

Abstract : The Ariel 6 experiment provides for the first time data of reasonable statistical weight over the entire band of ultra heavy cosmic ray nuclei with Z greater than or equal to 32. Comparison of the measured abundances and our estimates of abundances at the cosmic ray source are made with solar system material. There are striking similarities and equally striking divergences. The production of nuclides of the solar system and of the cosmic rays both appear to require a number of processes of nucleosynthesis. However, it seems clear that the mix of processes involved has to be substantially different for the two types of material, and the cosmic ray source appears rich in R-process material that is believed to be synthesised in supernova explosions.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

PRESENTATION TECHNIQUE

10h00/16h00 - Salle 1-007, Bât.17
(D4 CERN Meyrin)

SCHLUMBERGER INSTRUMENTATION SA (CH), représentant SCHLUMBERGER (F), propose en démonstration les appareils suivants en liaison avec une calculatrice HP 9825, via le bus GP-IB (IEEE 488) : Analyseur logique 7600 : 16 ou 32 voies de mesure, horloge interne 100 MHz, 7 modes de visualisation, interface GP-IB + RS232 - Fréquence-mètre à microprocesseur série 2700 : 120, 520 ou 1250 MHz, 3 oscillateurs de référence (à choix), mesures de fréquences, périodes, intervalles de temps, phases, etc.; interface GP-IB - Générateur de fonctions 4416 : 0,1 Hz - 2 MHz, inclus balayage de la fréquence avec interface GP-IB - Système d'acquisition de données - Datastore/Minate : ensemble Solartron comprenant : 1 voltmètre numérique 6½ digits avec 26 fonctions mathématiques + stockage des données (history file) + 1 scrutateur 16 voies (extensible jusqu'à 256) + 1 imprimante travaillant en code RS 232 + interface GP-IB.

Langues : Allemand, anglais, français

Renseignements : M. Diraison / FI / 4585.